Index of Claims

| Appl | lication | /Control | No. |
|------|----------|----------|-----|

10/606,127

Examiner

George Y. Wang

Applicant(s)/Patent under Reexamination

KIM ET AL.

**Art Unit** 

2871

| √ | Rejected |
|---|----------|
| _ | Allowed  |

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

|               |  |          | L   |                                       |                                 |              | J            |  |                |  |
|---------------|--|----------|---|---------------------------------------|---------------------------------|--------------|--------------|--|----------------|--|
| Cla           | aim  | Г        |   |                                       | Dat                             | е_           |              |  |                |  |
| U             |  | -        | 1   |                                       | <u> </u>                        | T            | Ť            | Т  | Τ-             | Τ_   |
| <del>-</del>  | Original   | 8        | 9/21/04   | 3/18/05                               | 11/9/05                         |              |              |  |                |  |
| Final         | ij   | 8/4/04   | 121   | 18                                    | 19                              |              |              |  |                |  |
|               | 0  | ~        | ြ   | ຕ                                     | -                               |              |              |  |                |  |
|               | 1  | +        | 1   | 1                                     | 1                               | 1            | T            | 1-   | <b>†</b>       |  |
|               | 1<br>2<br>3<br>4<br>5  | +        | \<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\ | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | > > > > > >  > > > > > >  0 0 > | 1            | 1            | T  | T              |  |
|               | 3  | +        | √   | √                                     | √                               |              |              |  |                |  |
|               | 4  | +        | ✓   | ✓                                     | √                               |              |              |  |                |  |
|               | 5  | +        | ✓   | ✓                                     | <u>√</u>                        | L            | <u> </u>     | L  |                |  |
|               | 6  | +        | √   | ✓                                     | √                               | _            | L            | _  |                |  |
|               | 7  | +        | 0   | 0                                     | 0                               | ┡            | <b> </b> _   | _  | ╙              | <u> </u>   |
| <u> </u>      | 8  | +        | 0   | 0                                     | 0                               | <u> </u>     |              | _  | ┞              | ↓_   |
|               | 9  | +        | V   | √,                                    | ¥                               | ╙            | ▙            | ـ  | ↓_             | ـــ  |
|               | 10   | +        | √<br>N  | <u>√</u>                              | <u>√</u>                        | <del> </del> | ╀            | ⊢  | ⊢              | ┡  |
| -             | 17   | _        | N   | N                                     | <b>∨</b> N                      | -            | <del> </del> | 1  | ┢              | -  |
|               | 12   | +        | N   | N                                     | N                               |              | -            | -  | -              | -  |
|               | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17                   | ÷        | ZZ  | z z z z z                             | N                               |              |              | -  | ┢              | $\vdash$   |
|               | 15   | +        | 17  | 7                                     | Z                               | <u> </u>     | ╁╌           | ┼  | ╁              | $\vdash$   |
|               | 16   | +        | zz  | 7                                     | N                               | ┢            | ╁╴           |  | 1              |  |
| <u> </u>      | 17   | +        | N   | Z                                     | ZZ                              | $\vdash$     |              | <del>                                     </del> | <del> </del>   | ╁  |
|               | 18   | +        | N   | N                                     |                                 | $\vdash$     | $\vdash$     |  | <del>  -</del> | $\vdash$   |
|               | 18<br>19   | +        | ZZ  | zz                                    | N                               | ┪            | ┢            | H  | $\vdash$       | <del>                                     </del> |
|               | 20   | +        | N   | Ν                                     | N                               |              | _            |  | t              |  |
|               | 21   | +        | Ν   | Ν                                     | N                               | Т            | Г            | T  | ┢              |  |
|               | 22   |          |   |                                       | _                               |              | Π            |  |                |  |
|               | 23   |          |   |                                       |                                 |              |              |  | Г              |  |
|               | 24   |          |   |                                       |                                 |              |              |  |                |  |
|               | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30 |          |   |                                       |                                 |              |              |  |                |  |
|               | 26   |          |   |                                       |                                 |              |              |  |                |  |
|               | 27   |          |   |                                       |                                 |              |              |  |                |  |
|               | 28   |          |   |                                       |                                 | <u> </u>     |              |  |                |  |
|               | 29   |          |   | _                                     | _                               |              | <u> </u>     | <u> </u>   | _              | Ш  |
|               | 30   |          |   |                                       |                                 | _            | <u> </u>     | <b></b>  | _              | Ш  |
|               | 31   | -        |   | -                                     |                                 | ┝            | ├            | $\vdash$   | 1              | Н  |
|               | 32<br>33   | $\dashv$ |   |                                       |                                 | _            | ├            | -  | $\vdash$       | Н  |
|               | 34   | -        |   |                                       |                                 | -            | -            | $\vdash$   | -              | $\vdash \vdash$                                  |
| -             | 34<br>35   | $\dashv$ |   | -                                     |                                 |              | -            | -  | $\vdash$       | $\vdash$   |
|               | 36   | $\dashv$ |   | _                                     | _                               | $\vdash$     | $\vdash$     | $\vdash$   | -              | $\vdash$   |
|               | 37   | $\dashv$ | _   | $\dashv$                              |                                 | _            | H            | $\vdash$   | -              | H  |
|               | 38   |          | $\dashv$  |                                       |                                 |              | -            | 一  |                | Н  |
|               | 39   |          |   |                                       |                                 |              |              |  |                |  |
|               | 40   |          |   |                                       |                                 |              | Γ            | <u> </u>   |                | П  |
|               | 41   |          |   |                                       |                                 |              |              |  |                |  |
|               | 42   |          |   |                                       |                                 |              |              |  |                |  |
|               | 43   |          |   |                                       |                                 |              |              |  |                |  |
|               | 44   | _        |   |                                       |                                 |              |              |  |                |  |
|               | 45   | _        |   | _                                     | _                               |              | L.,          |  |                | Ш  |
|               | 46   | _        | _   |                                       | _                               |              |              |  | L.,            | Ш  |
|               | 47   | _        | _   | _                                     | _                               |              |              |  | Ш              | Щ  |
|               | 48   | $\dashv$ | $\dashv$  |                                       | _                               |              |              | Щ  | _              | Щ  |
| $\rightarrow$ | 49   | _        | _   | _                                     | 4                               |              |              |  |                | Щ  |
|               | 50   |          | - 1   | i                                     |                                 |              |              |  |                |  |

| Cla | iim       |          |          |          | (        | Date     | e        |                |          |           | ]   | Cla   | im       |          |    |        | - { | Date     | <del></del> |   |          |          |
|-----|-----------|----------|----------|----------|----------|----------|----------|----------------|----------|-----------|-----|-------|----------|----------|----|--------|-----|----------|-------------|---|----------|----------|
| 3   | Original  | 8/4/04   | 9/21/04  | 3/18/05  | 11/9/05  |          |          |                |          |           |     | Final | Original |          |    |        |     |          |             |   |          |          |
|     | 1         | +        | >        | >        | 7        |          |          |                |          |           | 1   |       | 51       |          |    |        |     |          |             |   |          |          |
|     | 2         | +        | ✓        | ✓        | ✓        |          | <u> </u> |                |          |           | 1   |       | 52       |          | i  |        |     |          |             |   |          |          |
|     | 3         | +        | √        | √        | √        |          |          |                |          |           |     |       | 53       |          |    |        |     |          |             |   |          |          |
|     | 4         | +        | >        | <b>\</b> | ✓        |          |          |                |          |           |     |       | 54       |          |    |        |     |          |             |   |          |          |
|     | 5         | +        | ^        | <        | √        |          |          |                |          |           |     |       | 55       |          |    |        |     |          |             |   |          |          |
|     | 6         | +        | <b>V</b> | >        | >        |          |          |                |          |           |     |       | 56       |          |    |        |     |          |             |   |          |          |
|     | 7         | +        | 0        | 0        | 0        |          |          |                |          |           |     |       | 57       |          |    |        |     |          |             |   |          |          |
|     | 8         | +        | 0        | 0        | 0        |          |          |                |          |           | ] [ |       | 58       |          |    |        |     |          |             |   |          |          |
|     | 9         | +        | √        | ✓        | √        |          |          | L              |          |           |     |       | 59       |          |    |        |     |          |             |   |          |          |
|     | 10        | +        | √        | V        | √        |          |          |                |          |           |     |       | 60       |          |    |        |     |          |             |   |          |          |
|     | 11        | +        | Ν        | Ν        | N        |          |          |                |          | <u> </u>  |     |       | 61       |          |    |        |     |          |             |   |          |          |
|     | 12        | +        | N        | N        | N        |          |          |                |          |           | ] [ |       | 62       |          |    |        |     |          |             |   |          |          |
|     | 13        | +        | Ν        | Ν        | N        |          |          |                |          |           |     |       | 63       |          |    |        |     |          |             |   |          |          |
|     | 14        | +        | Ν        | Ν        | Ν        |          |          |                | _        |           |     |       | 64       |          |    |        |     |          |             |   |          |          |
| Ц   | 15        | +        | Ν        | Ν        | Ν        |          |          |                |          |           |     |       | 65       |          |    |        |     |          |             |   |          |          |
|     | 16        | +        | Ν        | Ν        | Ν        |          |          |                |          |           |     |       | 66       |          |    |        |     |          |             |   |          |          |
|     | 17        | +        | Ν        | N        | N        |          |          |                | L        |           |     |       | 67       |          |    |        |     |          |             |   |          |          |
| _   | 18        | +        | N        | Ν        | Ν        |          |          |                | 乚        |           |     |       | 68       |          |    |        |     |          |             |   |          |          |
| _   | 19        | +        | Ν        | N        | Ν        |          |          |                |          |           |     |       | 69       |          |    |        |     |          |             |   |          |          |
| _   | 20        | +        | Ν        | Ν        | N        |          |          |                |          |           |     |       | 70       |          |    |        |     |          |             |   |          |          |
| _   | 21        | +        | Ν        | N        | Ν        |          |          |                | L.       |           |     |       | 71       |          |    |        |     |          |             |   |          |          |
| ┙   | 22        |          |          |          |          |          |          |                |          |           |     |       | 72       |          |    |        |     |          |             |   |          |          |
| _   | 23        | $\Box$   |          |          |          |          |          |                |          |           |     |       | 73       |          |    |        |     |          |             |   |          |          |
| _   | 24        |          |          |          |          |          |          |                |          |           |     |       | 74       |          |    |        |     |          |             |   |          |          |
| _   | 25        |          |          |          |          |          |          |                | L        |           |     |       | 75       |          |    |        |     |          |             |   |          |          |
|     | 26        |          |          |          |          |          |          | _              |          |           |     |       | 76       |          |    |        |     |          |             |   |          |          |
| _   | 27        |          | _        |          |          |          |          |                |          |           |     |       | 77       |          |    |        |     |          |             |   |          |          |
| 4   | 28        | _        | _        | _        | _        |          |          |                |          |           |     |       | 78       |          |    |        |     |          |             |   |          |          |
| 4   | 29        | _        | _        |          |          |          |          |                |          |           |     |       | 79       |          |    |        |     |          |             |   |          |          |
| 4   | 30        | _        | _        | _        | _        |          |          |                |          |           |     |       | 80       |          |    |        |     |          |             |   |          |          |
| 4   | 31        | _        | _        |          | _        |          |          |                |          | Щ         | Ļ   |       | 81       |          |    | $\Box$ |     |          |             |   |          |          |
| 4   | 32        | _        | $\dashv$ |          | _        | _        | _        |                |          | Щ         |     |       | 82       | _        |    |        |     | _        |             |   |          |          |
| 4   | 33        | _        |          | _        | _        |          |          |                |          |           |     |       | 83       | _        |    |        |     |          |             |   | $\Box$   | ┙        |
| 4   | 34        | _        | _        |          | _        | _        |          |                |          |           | L   |       | 84       | _        |    |        |     |          |             |   |          | $\sqcup$ |
| 4   | 35        | _        | _        | _        | _        | _        |          |                |          |           |     |       | 85       | _        |    | _      |     |          |             |   |          |          |
| 4   | 36        | $\dashv$ | _        |          | _        | _        | _        |                |          |           | Ļ   |       | 86       | _        | 4  | _      |     | _        |             |   |          |          |
| 4   | 37        | _        | -        | _        |          | _        | _        |                |          | Ш         |     |       | 87       | _        |    | _      |     |          | _           |   | _        |          |
| 4   | 38        | _        |          |          | _        | _        | _        |                |          | Ш         |     |       | 88       |          | _  | _      |     |          | _           |   | $\dashv$ |          |
| 4   | 39        | _        |          |          | _        | _        | _        |                |          | Щ         | ŀ   |       | 89       | _        | 4  | _      | _   |          | _           |   | $\dashv$ | _        |
| 4   | 40        | -        |          | _        | -        |          | $\dashv$ | _              |          | Щ         | -   |       | 90       | _        | _  | _      |     | _        | _           | _ | _        | _        |
| 4   | 41        | _        | _        | $\dashv$ | -        | $\dashv$ | _        |                |          |           | Ļ   |       | 91       | _        | _  | _      | _   | _        |             | _ | _        | _        |
| 4   | 42        | $\dashv$ | $\dashv$ | -        |          | _        | _        | _              |          |           | Ļ   |       | 92       | _        |    |        | _   | _        | _           |   | _        | _        |
| 4   | 43        | -        | $\dashv$ | -        | _        | _        | _        | $\blacksquare$ | _        |           | ļ   |       | 93       |          | _ļ | _      |     | _        | ļ           | _ | _        | _        |
| +   | 44        | -        | -        | _        | -        | -        | -        |                |          |           | -   |       | 94       | _        | _  | _      |     |          | _           | _ | _        | _        |
| +   | 45        | $\dashv$ |          |          | $\dashv$ | 4        | _        |                |          | $\square$ | -   |       | 95       | _        | 4  | 4      | _   | [        | _           | _ |          | _        |
| 4   | 46        | $\dashv$ |          |          | 4        | _        | _        | _              |          | $\sqcup$  | -   |       | 96       | $\dashv$ | 4  | 4      | _   |          | _           |   | _        | _        |
| +   | 47        | -        | _}       | $\dashv$ | -        | -        | _        | _              |          |           | -   |       | 97       | _        | 4  | _      | _   | _        |             | _ |          | _        |
| 4   | 48        | -        | -        |          | $\dashv$ |          |          | _              | $\dashv$ | $\dashv$  | F   |       | 98       | 4        | _  | _      | _   | $\dashv$ | _           | _ | _        | _        |
| +   | 49<br>50  |          |          |          | -        |          |          | _              |          | $\dashv$  | -   |       | 99       | _        | _  |        | _   |          | $\dashv$    | _ | 4        | _        |
| _   | <b>30</b> | 1        | i        |          | 1        | _        |          |                |          | $\sqcup$  | L   | L     | 100      | L        |    |        |     |          |             |   |          |          |

| Cla           | aim                                    |  |          |          |  | Dat  | <u>е</u>     |              |              |          |
|---------------|--|--|----------|----------|--|--|--------------|--------------|--------------|----------|
|               |  |  |          |          |  | Τ  |              | ļ            |              | T        |
| Final         | Original                               |  |          |          |  |  |              |              |              |          |
|               | i                                      | $\vdash$   | ┢        | -        | <u> </u>   | ╀  | -            |              | -            |          |
|               | 101<br>102                             | ┢  | 1        |          | ┢  | ╁  | H            | ├-           | ╁            | +        |
|               | 103                                    | $\vdash$   | -        | $\vdash$ | ├  | ╁  | <u> </u>     | <del> </del> | ⊢            | -        |
|               | 103                                    | ⊢  | $\vdash$ | $\vdash$ | ├  | ╁  | ╁            |              | ┝            | -        |
|               | 104<br>105                             | ┢  | ├        | ┢        | -  | $\vdash$   | ╁            | ╁            | $\vdash$     | $\vdash$ |
|               | 106                                    | ⊢  | ┢        | $\vdash$ | _  | ╁  | ╁            | ┢┈           | ┼─           | $\vdash$ |
|               | 107                                    | <u> </u>   | ┢        | ╁╾       | -  | <u> </u>   | ╁            | ╁─           | ╁            | 1        |
|               | 107<br>108                             | <del> </del>                                     | ┢        | ┢        | ┢  | ╁  | -            | ┢╌           | ╁╾           | $\vdash$ |
|               | 109                                    | <del> </del>                                     | $\vdash$ | $\vdash$ |  | ┢  | -            | $\vdash$     | +            |          |
|               | 110                                    | $\vdash$   | ├─       | $\vdash$ | -  | +-   | ╁─╴          | -            | $\vdash$     | Н        |
|               | 110<br>111                             | <del>  -</del>                                   | $\vdash$ | ┢        | $\vdash$   | +  | <del> </del> | _            | $\vdash$     | $\vdash$ |
|               | 112                                    | Т  | Т        | $\vdash$ | Ι-   | T  | t            |              | T            | Н        |
|               | 113                                    | T  | T        | T        | <del>                                     </del> | 1  | t            |              | $t^-$        | $\vdash$ |
|               | 114                                    | lТ   |          |          | T  | T  | T            | t            |              | П        |
|               | 115                                    | <del>                                     </del> | ┢        |          | T  | T  | $\vdash$     | $\vdash$     | Ħ            | П        |
|               | 112<br>113<br>114<br>115<br>116        | Г  |          |          | Г  | <del>                                     </del> | $\vdash$     | T            |              | $\vdash$ |
|               | 117                                    |  |          |          |  |  | Ι_           | T            | T            | П        |
|               | 118                                    |  |          |          |  | T  |              | Т            |              | П        |
|               | 118<br>119                             |  |          |          |  |  |              |              |              | П        |
|               | 120                                    | T  |          |          |  |  |              |              | _            | $\vdash$ |
|               | 121                                    | _  |          |          |  | <u> </u>   |              |              |              | Н        |
|               | 121<br>122                             | <u> </u>   | Г        |          |  | T  |              |              |              | П        |
|               | 123                                    | _  | Г        | ⇈        |  | $\vdash$   |              |              |              |          |
|               | 123<br>124<br>125<br>126<br>127<br>128 |  |          |          | T  | Г  |              | _            | 1            |          |
|               | 125                                    |  |          |          |  |  | Г            | Г            |              |          |
|               | 126                                    |  |          |          |  |  |              |              |              | П        |
|               | 127                                    |  |          |          |  |  |              |              |              | П        |
|               | 128                                    |  |          |          |  |  | Γ            |              |              |          |
|               | 129                                    |  |          |          |  |  |              |              |              |          |
|               | 129<br>130<br>131                      |  |          |          |  |  |              |              |              |          |
|               | 131                                    |  |          |          |  |  | L            |              |              |          |
|               | 132<br>133                             |  |          |          |  | 匚  |              |              |              |          |
| ]             | 133                                    | $oxed{oxed}$                                     |          |          |  |  |              |              |              |          |
|               | 134                                    |  |          |          |  |  |              |              |              |          |
|               | 135                                    | $oxed{L}$  |          |          |  |  |              |              |              |          |
|               | 136                                    |  |          |          |  |  |              |              |              |          |
|               | 137                                    | Ш  |          | L.       |  | <u> </u>   |              |              |              | Ш        |
|               | 138                                    |  |          |          |  | L  |              |              | _            | Ш        |
|               | 139                                    |  |          | <u> </u> | _  | L.   | Щ.           |              | L            | Ш        |
|               | 140                                    | _  |          |          |  |  | Ш            |              |              | Щ        |
|               | 141                                    |  |          | Щ        |  | _  | _            |              | Щ            | Ш        |
|               | 142                                    | Ш  |          |          |  | $\vdash$   |              | _            | $oxed{oxed}$ | Ш        |
|               | 143                                    | Щ  |          |          |  | Ш  | Щ            |              |              | Щ        |
|               | 144                                    | $\Box$   |          |          |  | Щ  |              |              |              | Щ        |
|               | 145                                    | _  |          |          |  | _  |              |              |              | Щ        |
| $\rightarrow$ | 146                                    |  |          |          |  |  |              |              |              | Щ        |
| $\dashv$      | 147                                    | _  | _        |          |  | Ш  |              |              |              | Ш        |
|               | 148                                    | _  | _        |          |  | Ш  |              |              | $\square$    | Ш        |
|               | 149                                    |  |          |          |  | Ш  |              |              |              |          |
|               | 150                                    |  |          |          | $\sqcup$   | ليا  |              |              |              |          |
|               |  |  |          |          |  |  |              |              |              |          |